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# Open source approach for development of WDC software

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# Open-source software (OSS)

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- OSS is freely licensed to use, copy, study, and change the software in any way, *and* the source code is openly shared so that people are encouraged to voluntarily improve the design of the software.
- Examples: Mozilla Firefox, Google Chromium, Android and the Apache OpenOffice Suite.



## 4 reasons companies say yes to open source

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- **Open source keeps costs down** - Cost savings may be only part of open source's allure, but it's still a big part, no matter what size the organization.
- **Open source improves quality** - Open source fans have long contended that the methodology produces better software.
- **Open source delivers business agility** - Not to be confused with agile development, business agility is the ability to react to marketplace demands quickly.
- **Open source mitigates business risk** - reducing dependence on a single or multiple vendors, is that the open-source option may reduce business risk.



# Open-source software development project

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- Develop a prototype
- Use agile software development...based on iterative and incremental development, where requirements and solutions evolve through collaboration between self-organizing, cross-functional teams.



# GAW WDC

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- Current approach - Multiple data centres with similar requirements but individual software...is this effective and sustainable?
- Can we move towards an OSS approach?
- Proposal - Build upon WOUDC or other prototype...work together to develop OSS project plan for future iterations of software that meets common requirements (80%). Specific data centre requirements (20%) can be dealt with by individual data centres.

